OIL STORAGE MAINTENANCE AND COMPLIANCE

ReBund®

Environmentally friendly, cost-effective,
modular bund/secondary containment system



Environmentally friendly, modular secondary containment

Regulations state that above-ground oil storage tanks must have secondary containment. Site operators have a duty of care to prevent hydrocarbon leaks from equipment such as transformers and fuel storage tanks — as well as other contaminants such as chemicals, fertiliser and milk — from entering the ground and polluting the environment.

ReBund® offers a flexible, robust, cost-effective, environmentally friendly and easy-to-install solution, built primarily from nonporous, durable, 100% post-industrial recycled plastic waste that would otherwise go to landfill.

Customers enjoy additional peace of mind with a ReBund® 20-year warranty at no extra cost. Terms apply.

Designed for easy transportation and quick on-site assembly

Installation is easy, with no requirement for major plant equipment and no need to suspend core site operations during installation.

ReBund® is a modular system that can be quickly assembled on site by a team of two people with minimal ground disturbance. Wall section panels and posts are installed like standard garden fencing, and key base slabs are mounted on beams onto a prepared surface like laying flagstones. All internal surfaces are sealed with Andel quick-drying Cold Fusion Liquid Membrane for guaranteed 100% liquid retention.

Two supply options

- ReBund® panel and post wall sections sealed to a suitable existing or new concrete base.
- Panel and post wall sections sealed to Andel's unique key base slab units.

Both options are sealed with the Andel Cold Fusion Liquid Membrane system for guaranteed 100% liquid retention.

Reduce your environmental impact

ReBund® panels, posts and base slabs are primarily made from 100% post-industrial recycled plastic waste. ReBund® turns the longevity of plastic — usually a serious environmental problem — into an environmentally friendly, cost-effective and robust pollution-prevention solution. It not only reduces the amount of plastic sent to landfill, it also reduces your carbon footprint compared to a traditional all-concrete bund construction.

Carbon footprint comparison

For the manufacture and installation of a typical 6m³ bund wall:

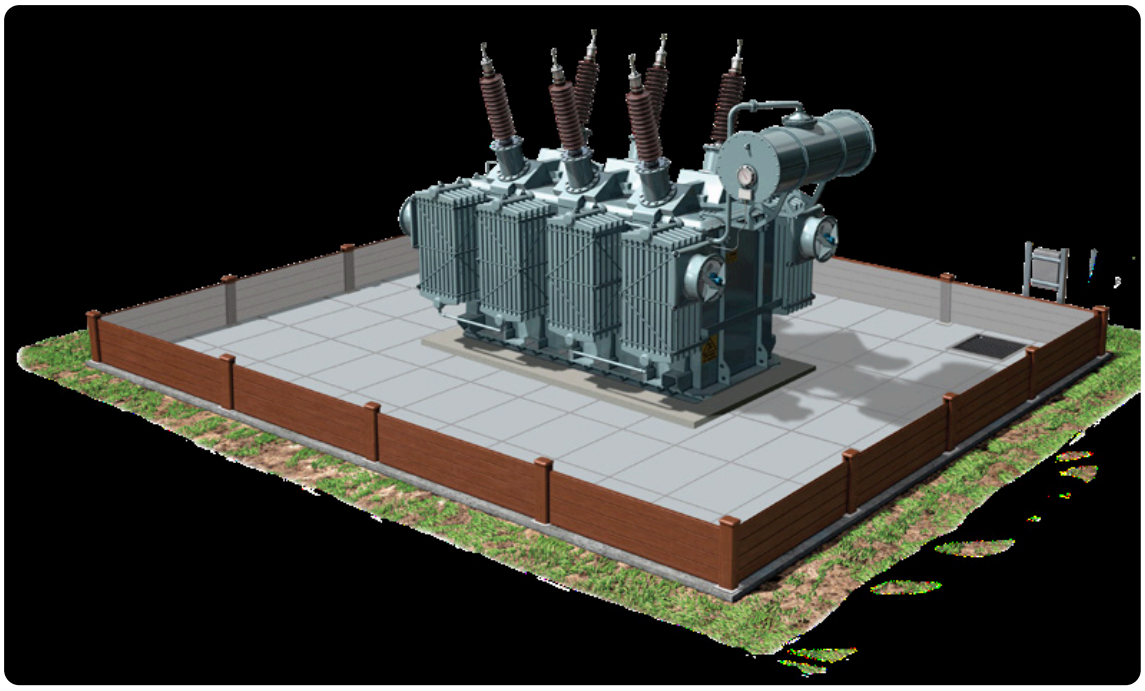
- Concrete: 1,639.44kg CO_2e
- ReBund®: 340.4kg CO_2e
- **Carbon saving with ReBund®: 1,299.04kg CO_2e**

More information is available on request.

Robust installation

ReBund® recycled content consists of LDPE, HDPE, PP and other plastics, providing resistance to weather, UV, chemicals, temperature, impact and moisture. Panels and posts are fitted with steel-pipe reinforced rods for added strength.

Posts fit into a steel base plate that is bolted deep into a concrete foundation with chemical M16 stainless-steel anchors that bond with the concrete to provide the highest level of structural strength.



ReBund® modular bund providing secondary containment around a transformer.

Andel Cold Fusion Liquid Membrane

Andel's fast-cure, waterproof, liquid membrane coating system is applied to the inside of the bund. Using a primer layer, a membrane with fleece layer and a topcoat, the system provides high resistance to the elements. Topcoats can be tailored to resist a range of contaminants, and the system provides 100% guaranteed liquid retention.

Fire resistance: tests show that after four hours of constant exposure to a flame at the ignition temperature of transformer oil, neither the Cold Fusion membrane nor the ReBund® panel exhibited any structural or impermeability integrity issues.

A flexible solution

ReBund® can be installed on most surfaces, from soft ground to asphalt to concrete. The modular nature of the system means it can be adapted to fit around irregular shapes, potentially freeing up space that would otherwise be wasted.

Benefits at a glance

- Modular design makes it easy to transport and quick to install
- No need for major plant equipment — can be quickly assembled on site by a team of two
- 20-year warranty at no extra cost
- Minimal ground penetration
- Ideal for new build and retrofit
- Low material and maintenance cost compared to traditional all-concrete bund
- Lower labour costs — faster installation than traditional methods
- Reduced carbon footprint compared to all-concrete construction
- Made from nonporous, durable, 100% post-industrial recycled plastic waste with steel-pipe reinforced posts and panels for added strength
- Reduces the amount of plastic sent to landfill
- Can be installed on most surfaces
- Can be adapted to most shapes and sizes, saving space that could otherwise be wasted
- Installation sealed with Andel's quick-drying Cold Fusion Liquid Membrane for 100% guaranteed liquid retention
- Suitable for containing hydrocarbons as well as a range of other pollutants
- Provides four hours' fire resistance in tests

Warranty: 20-year warranty at no extra cost. Terms apply (subject to the product being used and maintained in accordance with Andel's recommendations and user guidelines).

Configurations

HAHN Reinforced T&G Boards 4.2 x 20 x 250cm Brown
Item 900015

HAHN Section Post 12 x 16 x 250cm Brown
Item 900016

HAHN Corner Post 12 x 16 x 250cm Brown
Item 900019

HAHN Post Caps
Item 900022

HAHN 200mm ReBund Section Post
Item 900024

HAHN 200mm ReBund Corner Post
Item 900025

HAHN 400mm ReBund Section Post
Item 900026

HAHN 400mm Corner Post
Item 900027

HAHN Boards 5 x 12 x 280 Brown
Item 900030

TECHNICAL INFORMATION

SPECIFICATIONS

Tongue and groove panels: 1.2m width × 20cm height; wall height built up in 20cm increments; end panels cut to fit any containment area

Posts: Supplied cut to the required height, with caps

Key base slabs: 205cm × 105cm, can be cut to fit

Construction: Panels, posts, caps and key base slabs in 100% recycled plastic (panels and posts fitted with reinforced steel pipes)

Andel liquid membrane: Specifications provided on request